

AMENDMENT

IN THE CLAIMS:

Please amend the claims as follows:

Sub P1
39. (Amended) A method for screening test compounds for bioactivity, comprising:

(a) providing an array of test compounds, wherein each test compound is disposed on a solid support in a pattern whereby the identity of each said test compound is indicated by a 2-dimensional coordinate;

(b) bringing the array of test compounds in close apposition with a detector layer,

C1
(c) detecting a response of the detector layer to the test compound, wherein a response is indicative that a test compound is a bioactive compounds, and

(d) determining the identity of said bioactive compound by reference to the 2-dimensional coordinate of said bioactive compound.

58. (Amended) A method for screening test compounds for bioactivity, comprising:

C2
(a) bringing an array of test compounds in close apposition with a detector layer, said array of test compounds being comprised of a